INITIAL STORAGE AND CONVEYANCE COMPONENTS

The Program will not be selecting storage and conveyance facilities with specific locations or sizes during the programmatic EIR/EIS evaluation. Rather, results will be described in terms of general solution approaches, with a range of capacities. However, those general solutions must be founded on comprehensive engineering, modeling, environmental, and cost evaluations. Therefore, the Program has defined the general solution approaches and ranges of capacities in terms of the configurations of each of the alternatives, assembled from components which are likely compatible with each other. They are not final alternative configurations. Rather, several configurations are suggested for each of the three CALFED alternatives in order to evaluate a reasonable range of facilities, costs, and impacts in the EIR/EIS. Additional studies will define more specific configurations within this range. ***When considering each of these configurations, please remember that each of these are combined with the ecosystem restoration program, the water quality program, the levee system integrity program, and the water use efficiency program.***

Storage and Conveyance Component of Alternative 1: Existing Delta

- **Configuration A.** Changes in Delta Operations
- **Configuration B.** State-of-the-Art CVP and SWP Screening Facilities plus Configuration 1A.
- **Configuration C.** 3.0 maf Upstream (Sacramento River Tributaries.) Storage, 1.0 maf Aqueduct Storage, 500 taf Groundwater Storage (Sacramento Valley), 500 taf Groundwater Storage (San Joaquin Valley), South Delta Improvements, plus Configuration 1B.

Storage and Conveyance Component of Alternative 2: Through-Delta Conveyance

- **Configuration A.** North Delta Channel Improvements with 10,000 cfs Screened Hood Intake and South Delta Channel Improvements with increased SWP Permitted Pumping Capacity.
- **Configuration B.** Configuration 2A plus State-of-the-Art CVP and SWP Screening Facilities, CVP-SWP Intertie at Intakes, 2.0 maf Aqueduct Storage, 3.0 maf Upstream (Sacramento River Tributaries) Storage, 200 taf In-Delta Storage, 500 taf Groundwater

Storage (Sacramento Valley), and 500 taf Groundwater Storage (San Joaquin Valley).

- **Configuration C.** Three South Delta 15,000 cfs Isolated Intakes and CVP-SWP Intertie at Intakes (15,000 cfs total pumping capacity)

- **Configuration D.** East and South Delta Habitat and Conveyance Improvements Including 10,000 cfs Screened Hood Intake, Mokelumne River Floodway (East), New Clifton Court Forebay Gate, CVP-SWP Intertie at Intakes, and 2.0 maf Aqueduct Storage

- **Configuration E.** Tyler Island Habitat and East and South Delta Habitat, Mokelumne River Floodway (West), New Clifton Court Forebay Gate, CVP-SWP Intertie at Intakes, with 3.0 maf Upstream (Sacramento River Tributaries) Storage, 500 taf Upstream (San Joaquin River Tributaries) Storage, 2.0 maf Aqueduct Storage, 500 taf Groundwater Storage (Sacramento Valley), and 500 taf Groundwater Storage (San Joaquin Valley).

Storage and Conveyance Component of Alternative 3. Dual Transfer Conveyance

- **Configuration A.** 5,000 cfs Open Channel Isolated Conveyance with Screened Hood Intake, North Delta Improvements , and South Delta Channel Improvements (total conveyance capacity = 15,000 cfs)

- **Configuration B.** Configuration 3A plus CVP-SWP Intertie at Intakes, 3.0 maf Upstream (Sacramento River Tributaries.) Storage, 500 taf maf Upstream (San Joaquin River Tributaries.) Storage, 2.0 maf Aqueduct Storage, 200 taf In-Delta Storage, 500 taf Groundwater Storage (Sacramento Valley), and 500 taf Groundwater Storage (San Joaquin Valley).

- **Configuration C.** Configuration 3A, Except 5000 cfs Isolated Pipeline Conveyance.

- **Configuration D.** Configuration 3B, Except Isolated Pipeline.

- **Configuration E.** Configuration 3B, except 15,000 cfs isolated conveyance, (but no South Delta Channel Improvements).

- **Configuration F.** Chain of Lakes Conveyance with 10,000 cfs screened intake at Delta Cross Channel Plus Additional 5,000 cfs Capacity Intakes Distributed at Several Locations, North Delta Improvements, CVP-SWP Intertie at Intakes, 3.0 maf Upstream (Sacramento River Tributaries) Storage, 500 taf Upstream (San Joaquin River Tributaries) Storage, 2.0 maf Aqueduct Storage, 500 taf Groundwater Storage (Sacramento Valley), and 500 taf Groundwater Storage (San Joaquin Valley).

- **Configuration G.** 5000 cfs Screened Deep Water Ship Channel and West Delta Tunnel,

North Delta Improvements, South Delta Improvements, New Clifton Court Forebay Gate, Intertie at Intakes, 3.0 maf Upstream (Sacramento River Tributaries) Storage, 500 taf Upstream (San Joaquin River Tributaries) Storage, 2.0 maf Aqueduct Storage, 200 taf In-Delta Storage, 500 taf Groundwater Storage (Sacramento Valley), and 500 taf Groundwater Storage (San Joaquin Valley).

- **Configuration H.** 5,000 cfs Open Channel Isolated Conveyance with Screened Hood Intake, Tyler Island Habitat, Mokelumne River Floodway (West), East Delta Habitat, South Delta Habitat, New Clifton Court Forebay Gate, CVP-SWP Intertie at Intakes, 3.0 maf Upstream (Sacramento River Tributaries) Storage, 500 taf Upstream (San Joaquin River Tributaries) Storage, 2.0 maf Aqueduct Storage, 200 taf In-Delta Storage, 500 taf Groundwater Storage (Sacramento Valley), and 500 taf Groundwater Storage (San Joaquin Valley).

Attach
Alt. Configuration
maps here!

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